^{117}Ag IT decay 1990Fo07

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	ENSDF	1-Mar-2009

Parent: ^{117}Ag: E=28.6 *2*; $J^{\pi}=(7/2)^{+}$; $T_{1/2}$=5.34 s *5*; %IT decay=6.0 *15*

On line mass separator OSIRIS. Measured: γ, γX, ce.

Isomeric transition now observed by 1990Fo07. They have been able to complete their previous work where they said: no electron energies greater than 15 keV (1976Fo10), 25 keV (1982Al29).

α: Additional information 1.

^{117}Ag Levels

E(level)	J^{π}†	$T_{1/2}$†	Comments
0.0	$1/2^{-}$	72.8 s *+20−7*	
28.6 *2*	$(7/2^{+})$	5.34 s *5*	%β^{-}=94.0 *15*; %IT=6.0 *15* %IT: from 1990Fo07.

† From Adopted Levels.

$\gamma(^{117}Ag)$

E_{γ}	E_i(level)	J_i^{π}	E_f	J_f^{π}	Mult.	α	$I_{(\gamma+ce)}$†	Comments
28.6 *2*	28.6	$(7/2^{+})$	0.0	$1/2^{-}$	E3	1.15×10^{4} *6*	100	ce(K)/(γ+ce)=0.0053 *4*; ce(L)/(γ+ce)=0.798 *23*; ce(M)/(γ+ce)=0.171 *10*; ce(N)/(γ+ce)=0.0263 *17*; ce(O)/(γ+ce)=1.81×10^{-6} *10* ce(N+)/(γ+ce)=0.0263 *17* B(E3)(W.u.)=0.093 *25* E_{γ}: the isomeric transition was identified by decomposing a complex line where the x-rays are dominant. Mult.: from K/L.

† For absolute intensity per 100 decays, multiply by 0.060 *15*.

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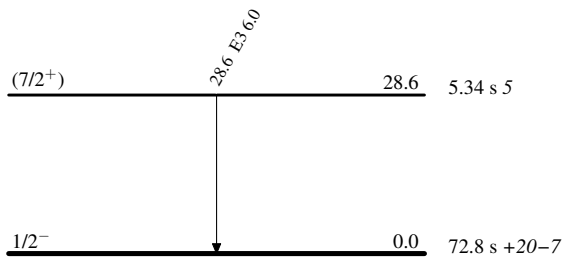
Decay Scheme

%IT=6.0 *15*



$^{117}_{47}Ag_{70}$